

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference PCT04-054	FOR FURTHER ACTION		See Form PCT/IPEA/416
International application No. PCT/KR2004/002649	International filing date(day/month/year) 15 OCTOBER 2004 (15.10.2004)	Priority date (day/month/year) 16 OCTOBER 2003 (16.10.2003)	
International Patent Classification (IPC) or national classification and IPC G06Q 30/00(2006.01)i			
Applicant MOBILIANS CO., LTD. et al			

- This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 4 sheets, including this cover sheet.
- This report is also accompanied by ANNEXES, comprising:
 - ☐ (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:
 - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
 - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
 - ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____ containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box relating to Sequence Listing (see Section 802 of the Administrative Instructions).

- This report contains indications relating to the following items:

- ☒ Box No. I Basis of the report
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

Date of submission of the demand 16 MAY 2005 (16.05.2005)	Date of completion of this report 27 JANUARY 2006 (27.01.2006)
Name and mailing address of the IPEA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer PARK, Sung Woo Telephone No. 82-42-481-5790 

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2004/002649

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☒ This report is based on translations from the original language into the following language English which is the language of a translation furnished for the purposes of:
 - ☐ international search (under Rules 12.3 and 23.1(b))
 - ☒ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
 - ☒ the international application as originally filed/furnished

 - ☐ the description:
 - pages _____ as originally filed/furnished
 - pages* _____ received by this Authority on _____
 - pages* _____ received by this Authority on _____

 - ☐ the claims:
 - pages _____ as originally filed/furnished
 - pages* _____ as amended (together with any statement) under Article 19
 - pages* _____ received by this Authority on _____
 - pages* _____ received by this Authority on _____

 - ☐ the drawings:
 - pages _____ as originally filed/furnished
 - pages* _____ received by this Authority on _____
 - pages* _____ received by this Authority on _____

 - ☐ the sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:
 - ☐ the description, pages _____
 - ☐ the claims, Nos. _____
 - ☐ the drawings, sheets _____
 - ☐ the sequence listing (*specify*): _____
 - ☐ any table(s) related to sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
 - ☐ the description, pages _____
 - ☐ the claims, Nos. _____
 - ☐ the drawings, sheets _____
 - ☐ the sequence listing (*specify*): _____
 - ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2004/002649

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-19	YES
	Claims	None	NO
Inventive step (IS)	Claims	None	YES
	Claims	1-19	NO
Industrial applicability (IA)	Claims	1-19	YES
	Claims	None	NO

2. Citations and explanations (Rule 70.7)

The following documents have been considered:

D1: KR 2000-36574 A

D2: KR 2001-79056 A

D1 relates to a credit settlement system and a method using mobile phone numbers, characterized in that a purchaser selects an item (or a service) in an Internet electronic commerce transaction (or a store in a spot transaction, or a telephone call in call sales) and requests for credit settlement using his/her mobile communication phone number, a seller transmits the transaction specifications (e.g. the transaction number, the user's mobile communication phone number, the seller's name, the demanded price, the item list, etc.) through a computer network to a credit settlement approval system and requests for a transaction confirmation, the credit settlement approval system transmits said transmitted transaction specifications and a transaction confirmation number to the purchaser's mobile communication terminal through a short message service (or a mobile Internet service), and the purchaser confirms the received transaction specifications and transaction confirmation number and informs the seller of the confirmation result (via the Internet, phone, or word of mouth).

D2 relates to a method for approving a credit card transaction using a bidirectional text message of a wireless Internet, characterized in that a credit card member suggests a credit card according to the on- or off-line purchase and request a credit card company's transaction approval through VAN/PG using the card information, the credit card company transmits a transaction confirmation message including a callback URL to the cell phone number of the registered member, the member accesses the URL included in the text message and inputs his/her password, and the credit card company checks the password and outputs the transaction approval result to the member store's terminal or the online user's monitor.

(Continued on Supplemental Sheet.)

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of:

Box V.

1. Novelty

Claims 1-19 of the present application connect mobile communication server to a payment approving server. Said claims claim a method for approving electronic payment in an electronic shopping mall using a purchaser's mobile terminal, comprising the steps of: a purchaser purchasing an item in an electronic shopping mall and transmitting transaction information, his/her mobile terminal number, and an authentication code to a shopping mall server so as to make payment; the shopping mall server requesting the payment approving server's and mobile communication company server's payment approval; the payment approving server sending a text message including URL callback to the purchaser's mobile terminal; and the purchaser accessing WAP using the URL callback and inputting the authentication code.

The present application is different from D1 in the use of a transaction confirmation message including a callback URL for approval, and different from D2 in that D2 relates to a credit card transaction approval method. Therefore, all the claims of the present application is considered to be novel.

2. Inventive Step

The present application is different from D1 in that when the credit payment approver of D1 corresponding to the payment approving server of the present application informs the purchaser of the transaction specifications and transaction confirmation number through SMS, the SMS does not include a callback URL.

D2 discloses processes of a credit card company transmitting to a member's cell phone number the transaction confirmation SMS including a callback URL for card transaction approval, and of the member accessing the callback URL received in the SMS and inputting his/her password.

Accordingly, it would be obvious to a person skilled in the art to derive the technical features of claims 1-19 of the present application from the combination of the technical features set forth in the cited documents. Therefore, claims 1-19 are considered to lack an inventive step.

3. Industrial Applicability

All claims are considered to be industrially applicable.